



THJ / DAE \$

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTENTION: HONORABLE COMMISSIONER FOR PATENTS

In re the Patent of: **HORIE, Tsutomu**

P.T.O. Confirmation No.: 3243

Patent No. **7,511,817**

Issued: **March 31, 2009**

For. **RETICLE, RETICLE INSPECTION METHOD AND RETICLE INSPECTION APPARATUS**

**PETITION UNDER 37 CFR §1.183**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Mail Stop DAC**

May 5, 2009

Sir:

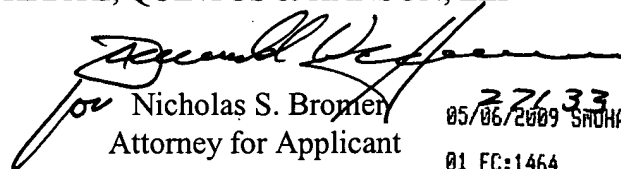
It is requested that a Certificate of Correction be issued to correct the designation of the assignee's name and address in the above-identified patent.

This request is being made in order to correct item [73]. It is incorrect in that the assignee, "**Fujitsu Limited, Kawasaki, Japan**", was incorrectly listed on the transmittal form PTOL-85B when paying the issue fee. Please correct the assignee to **--FUJITSU MICROELECTRONICS LIMITED, Tokyo, Japan--** as is shown in the assignment records, reel **021976**, frame **0876**. It is respectfully submitted that no new matter has been added.

A proposed Certificate of Correction is submitted herewith. Please charge the amount of \$230.00 (\$100.00 fee for the Certificate of Correction and \$130.00 fee for filing this Petition), or any other fees due to our Deposit Account No. 01-2340.

Respectfully submitted,

KRATZ, QUINTOS & HANSON, LLP

  
for Nicholas S. Bromer  
Attorney for Applicant  
Reg. No. 33,478

NSB/ses

Atty. Docket No. **040186**  
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1420 K Street, N.W.  
Washington, D.C. 20005  
(202) 659-2930

05/06/2009 SROHAMME 00000081 012340 7511817  
01 FC:1464 130.00 DA  
02 FC:1811 100.00 DA



**23850**

PATENT & TRADEMARK OFFICE

Enclosures: PTO-1050, Letters Patent 1<sup>st</sup> page, Issue Fee Transmittal and Recorded Assignment from PAIR

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO.: 7,511,817  
APPLICATION NO.: 10/709,244  
DATED : March 31, 2009  
INVENTOR(S): HORIE, Tsutomu

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title page:

Item “(73)” “FUJITSU LIMITED, Kawasaki, Japan”

Should read:

Item “(73)”-- FUJITSU MICROELECTRONICS LIMITED, Tokyo, Japan--

MAILING ADDRESS OF SENDER:  
**KRATZ, QUINTOS & HANSON, LLP**  
1420 K Street, NW, Suite 400  
Washington, DC 20005

Patent No.: 7,511,817

No. of add'l copies  
@ 30¢ per page  
⇒ \_\_\_\_\_



US007511817B2

(12) **United States Patent**  
**Horie**

(10) **Patent No.:** **US 7,511,817 B2**  
(45) **Date of Patent:** **Mar. 31, 2009**

(54) **RETICLE, RETICLE INSPECTION METHOD  
AND RETICLE INSPECTION APPARATUS**

4,723,221 A \* 2/1988 Matsuura et al. .... 356/401  
5,528,360 A \* 6/1996 Kohno ..... 356/237.5  
6,014,456 A \* 1/2000 Tsudaka ..... 382/144  
6,549,271 B2 \* 4/2003 Yasuda et al. .... 355/55  
2002/0194576 A1 \* 12/2002 Toyama ..... 716/21

(75) Inventor: **Tsutomu Horie, Kawasaki (JP)**

(73) Assignee: ~~Fujitsu Limited, Kawasaki (JP)~~

FOREIGN PATENT DOCUMENTS

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 533 days.

JP 63-163464 7/1988  
JP 01-244304 9/1989

\* cited by examiner

(21) Appl. No.: **10/709,244**

Primary Examiner—Tarifur R. Chowdhury

(22) Filed: **Apr. 23, 2004**

Assistant Examiner—Isiaka O Akanbi

(65) **Prior Publication Data**

US 2005/0110997 A1 May 26, 2005

(74) Attorney, Agent, or Firm—Kratz, Quintos & Hanson, LLP

(30) **Foreign Application Priority Data**

Nov. 25, 2003 (JP) ..... 2003-394382

(57) **ABSTRACT**

(51) **Int. Cl.**  
**G01B 11/00** (2006.01)

A method by which necessity of correction of any defect detected in inspection of a product reticle can exactly be judged is proposed, in which device patterns are formed in an exposure area on a product reticle, programmed defects of which transferability being preliminarily evaluated are formed in an evaluation pattern area different from the exposure area, where any defect detected in product reticle inspection is evaluated for its transferability by comparing the detected defect and the preliminarily-evaluated programmed defect based on observation of these defects at the same inspection wavelength, so as to enable an exact judgment on whether the detected defect is affective to transfer of the device pattern or not.

(52) **U.S. Cl.** ..... 356/401

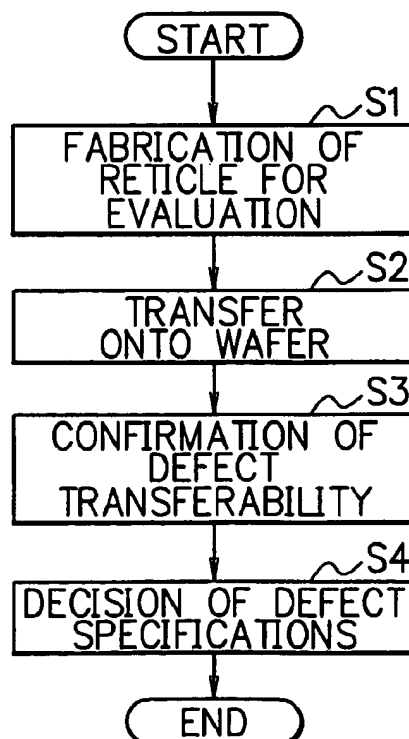
(58) **Field of Classification Search** .... 356/237.2-237.5  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,433,911 A \* 2/1984 Sawada et al. .... 355/125  
4,603,974 A \* 8/1986 Matsui ..... 356/394

**14 Claims, 8 Drawing Sheets**



SHOULD READ AS: --FUJITSU MICROELECTRONICS LIMITED, TOKYO, JAPAN--

# PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, Virginia 22313-1450**  
**or Fax (571)-273-2885**

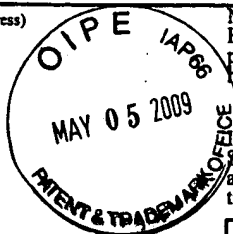
**COPY**

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CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

23850 7590 09/03/2008

**KRATZ, QUINTOS & HANSON, LLP**  
**1420 K Street, N.W.**  
**Suite 400**  
**WASHINGTON, DC 20005**



Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

## Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/709,244	04/23/2004	Tsutomu Horie	040186	3243

TITLE OF INVENTION: RETICLE, RETICLE INSPECTION METHOD AND RETICLE INSPECTION APPARATUS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	12/03/2008

EXAMINER	ART UNIT	CLASS-SUBCLASS
AKANBI, ISIAKA O	2886	356-401000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 **KRATZ, QUINTOS**  
2 **& HANSON, LLP**  
3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

~~FUJITSU LIMITED SHOULD READ AS:~~ **Kawasaki, Japan SHOULD READ AS:**  
~~FUJITSU MICROELECTRONICS LIMITED --~~ **-- TOKYO, JAPAN --**

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☒ Issue Fee  
☒ Publication Fee (No small entity discount permitted)  
☒ Advance Order - # of Copies 2

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- ☐ A check is enclosed.  
☐ Payment by credit card. Form PTO-2038 is attached.  
☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 01-2340 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

*Nick S. Bromer*  
**Nick S. Bromer**

Date **November 5, 2008**

Typed or printed name

Registration No. **33,478**

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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10/709,244	RETICLE, RETICLE INSPECTION METHOD AND RETICLE INSPECTION APPARATUS	05-02-2009::11:57:03
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**Patent Assignment Abstract of Title****Total Assignments: 2**

Application #: 10709244

Filing Dt: 04/23/2004

Patent #: 7511817

Issue Dt: 03/31/2009

PCT #: NONE

Publication #: US20050110997

Pub Dt: 05/26/2005

Inventor: Tsutomu Horie

Title: RETICLE, RETICLE INSPECTION METHOD AND RETICLE INSPECTION APPARATUS

**Assignment: 1**

Reel/Frame: 014527 / 0043

Received: 04/23/2004

Recorded: 04/23/2004

Mailed: 04/23/2004

Pages: 2

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

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Exec Dt: 03/05/2004

Assignee: FUJITSU LIMITED

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KAWASAKI-SHI, KANAGAWA, JAPAN 211-8588

Correspondent: ARMSTRONG, KRATZ, QUINTOS, HANSON &amp; BROO

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**Assignment: 2**

Reel/Frame: 021976 / 0876

Received: 12/10/2008

Recorded: 12/05/2008

Mailed: 12/16/2008

Pages: 30

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor: FUJITSU LIMITED

Exec Dt: 11/04/2008

Assignee: FUJITSU MICROELECTRONICS LIMITED

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Search Results as of: 05/02/2009 11:56:29 AM

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